

ABSTRACT

Separate IP data streams, including both voice (VoIP) and data sources, are routed over a single network data stream, encrypted by a single KIV encryption unit, and transmitted as a single packet data stream including both computer and voice data. Integration of the use of a VoIP data stream, together with data sources, and encrypted through a single serial encryption unit such as a KIV-7 enables the encryption of both voice and data using a single KIV encryption unit. After encryption by the Type 1 encryption unit (e.g., KIV-7) in a remotely deployed, secure communication system, the single encrypted data stream is encapsulated into IP packets. The IP packets are addressed to a distant IP device that removes the encapsulated, encrypted data and passes it to a similar Type 1 KIV device for decryption, and distributed to voice devices and computer devices via another voice-enabled router.

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